AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A rotational movement amplifying apparatus comprising:

a housing member defining a chamber therein, said housing member having an interior surface surrounding said chamber [[being generally cylindrical]];

an elongated member rotationally mounted onto said housing member to extend longitudinally through said chamber; [[and,]]

one or more rods slideably disposed transversely through said elongated member[[.]] ;

said interior surface of said housing member surrounding said chamber having a transverse cross-section shaped in a predetermined form comprising:

a top semi-circle having a predetermined radius R and a corresponding lower semi-circle of a predetermined radius R positioned below said top semi-circle, said lower semi-circle is inverted relative to the top semi-circle; said top semi-circle defining a pair of ends, said lower semi-circle defining a pair of ends; and a pair of opposed line segments of an identical predetermined length, each line segment connecting a corresponding end of the top semi-circle to a corresponding end of the lower semi-circle;

said predetermined form of the transverse cross-section of the interior surface of said housing member surrounding said chamber having a center; and,

said elongated member having a center of axis of rotation off-centered relative to said center of said predetermined form of the transverse cross-section of the interior surface of said housing member surrounding said chamber.

2. (Original) An apparatus as described in claim 1 comprising two or more rods, wherein said rods are arranged in a staggered formation along said elongated member.

3. (Canceled) An apparatus as described in claim 1 wherein said elongated member is positioned off-centered relative to a center of an end of said chamber.

4. (Currently Amended) An apparatus as described in claim 1 wherein : ~~said interior surface of said housing member defining said chamber has a transverse cross-section shaped in the form of a circle having a slightly elongated central section.~~

said top semi-circle defines a center of radius;

said top semi-circle defines a midpoint thereon dividing said top semi-circle into equal halves;

said top semi-circle defines a central vertical line crossing the center of radius of the top-semi-circle and said midpoint;

said top semi-circle defines a primary vertical line segment connecting the center of axis of rotation of the elongated member to a predetermined point on the top semi-circle, said primary vertical line segment is parallel to the central vertical line;

said top semi-circle defines a radius line connecting said center of radius of the top semi-circle to said predetermined point;

said radius line and primary vertical line segment defines an angle therebetween; and,

said center of axis of rotation of the elongated member is positioned so that said angle is between 21 and 26 degrees.

5. (Currently Amended) A rotational movement amplifying apparatus comprising:

a frame coupled to a rotating device;

a chamber barreled within said frame;

said frame having an interior surface surrounding said chamber;

an elongated member rotationally mounted onto said frame to extend longitudinally through said chamber;

said elongated member having an end connected to said rotating device; [[and,]]

one or more rods slideably disposed transversely through said elongated member[[.]] ;

said interior surface of said frame surrounding said chamber having a transverse cross-section shaped in a predetermined form comprising:

a top semi-circle having a predetermined radius R and a corresponding lower semi-circle of a predetermined radius R positioned below said top semi-circle, said lower semi-circle is inverted relative to the top semi-circle; said top semi-circle defining a pair of ends, said lower semi-circle defining a pair of ends; and a pair of opposed line segments of an identical predetermined length, each line segment connecting a corresponding end of the top semi-circle to a corresponding end of the lower semi-circle;

said predetermined form of the transverse cross-section of the interior surface of said frame surrounding said chamber having a center; and,

said elongated member having a center of axis of rotation off-centered relative to said center of said predetermined form of the transverse cross-section of the interior surface of said frame surrounding said chamber.

6. (Original) An apparatus as described in claim 5 comprising two or more rods, wherein said rods are arranged in a staggered formation along said elongated member.

7. (Canceled) An apparatus as described in claim 5 wherein said elongated member is positioned off-centered relative to a center of an end of said chamber.

8. (Currently Amended) An apparatus as described in claim 5 wherein : ~~said barreled interior surface of said frame surrounding said chamber has a transverse cross-section shaped in the form of a circle having a slightly elongated central section.~~

said top semi-circle defines a center of radius;

said top semi-circle defines a midpoint thereon dividing said top semi-circle into equal halves;

said top semi-circle defines a central vertical line crossing the center of radius of the top-semi-circle and said midpoint;

said top semi-circle defines a primary vertical line segment connecting the center of axis of rotation of the elongated member to a predetermined point on the top semi-circle, said primary vertical line segment is parallel to the central vertical line;

said top semi-circle defines a radius line connecting said center of radius of the top semi-circle to said predetermined point;

said radius line and primary vertical line segment defines an angle therebetween; and,

said center of axis of rotation of the elongated member is positioned so that said angle is between 21 and 26 degrees.

9. (new) An apparatus as described in claim 4 wherein said center of axis of rotation of the elongated member is positioned so that said angle is 23 degrees.

10. (new) An apparatus as described in claim 8 wherein said center of axis of rotation of the elongated member is positioned so that said angle is 23 degrees.